

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Nobuo SAKIYAMA, et al.

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: COMMUNICATION GATEWAY APPARATUS, COMMUNICATION GATEWAY METHOD, AND PROGRAM PRODUCT

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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STATEMENT OF RELEVANCY

Reference AO (2003-513349) of Form PTO-1449:

This discloses a proxy sever which has a similar purpose. But the verification of scripts is done by executing scripts on an interpreter in a simulated environment, and the execution time of the verification does not have an upper bound.

Reference AP (2003-504723) of Form PTO-1449:

This discloses a proxy server which has a similar purpose. But behavior of scripts is not verified.

Reference AU of Form PTO-1449:

This reference describes a product which implements above two patent applications.

Reference AV of Form PTO-1449:

This paper relates a proxy server which has similar purpose. But verification is done not on responses from servers, but on requests from clients, and administrators need to create a policy description on every web pages.

Reference AW of Form PTO-1449:

This describes a method of mitigating cross-site scripting with cookies which has a special attribute that specifies a cookie is not accessible through scripts. But that method needs a specific Web browser, and cannot completely eliminate the danger of cross-site scripting.

Reference AX of Form PTO-1449:

This press release describes that "Norton Personal Firewall 2002" has a new personal data protection feature which prevents Web browsers from sending data in cookies against the will of the user. But that feature does not take account of the policy of Web sites.

Reference AY of Form PTO-1449:

This includes an explanation of cross-site scripting vulnerability, a statistic investigation of the vulnerability on production systems, and a proposal of site construction method mitigating the vulnerability. But that proposal even does not try to detect specific attacks.

Reference AZ of Form PTO-1449:

Section 1 - 2 of this textbook describes programming techniques that are needed for writing web applications which does not have cross-site scripting vulnerability. But those techniques cannot be applicable to Web sites which do not have source codes of Web applications.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 251114US2SRD	SERIAL NO. New Application		
		LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Nobuo SAKIYAMA, et al.			
				FILING DATE Herewith		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
AA							
AB							
AC							
AD							
AE							
AF							
AG							
AH							
AI							
AJ							
AK							
AL							
AM							
AN							
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
AO	2003-513349	04/08/03	Japan			X	
AP	2003-504723	02/04/03	Japan			X	
AQ							
AR							
AS							
AT							
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
AU	AppShield™ 4.0 White Paper, Sanctum, Inc. October 2003, pgs. 1 – 23.						
AV	David SCOTT, et al., "ABSTRACTING APPLICATION-LEVEL WEB SECURITY", WWW2002, May 7-11, 2002, (12 pgs.)						
AW	"MITIGATING CROSS-SITE SCRIPTING WITH HTTP-ONLY COOKIES", Microsoft Corporation, October 2002, pgs. 1 – 3.						
AX	Symantec Press Release, Symantec Corporation, September 18, 2001, pgs. 1 – 2.						
AY	Hiromitsu TAKAGI, et al., "A CASE STUDY IN HOW E-COMMERCE SITES ARE VULNERABLE TO THE "CROSS-SITE SCRIPTING" ATTACK", National Institute of Advanced Industrial Science and Technology, October 31, 2002, (7 pgs.)						
AZ	Lectures of Secure Programming, A. Web Programmers Course, IT Security Center, Information-Technology Promotion Agency, Japan, March 2002, (149 pgs.)				<input type="checkbox"/> Additional References sheet(s) attached		
Examiner					Date Considered		
<small>*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							